

I. REMARKS

3. In response to the Office Action dated September 21, 2006, applicant appreciates the allowance of claims 1-5, 7, 23-24, 26-27, and 32-43.

A. Comments on Reasons for Allowance

4. Applicant believes there are many reasons for allowance that have not been cited by the examiner. For example, many elements of the claims were not clearly taught or suggested by prior art. Also, the prior art fails to teach many of the novel features of the invention as outlined in the specification. Further, a number of elements of claims not yet allowed were not clearly taught or suggested by the prior art.

5. As discussed in the previous office actions, there were many problems known in the art regarding the live transmission of high quality video over the Internet. Applicant's invention provides solutions that were not anticipated or rendered obvious by the prior art.

6. Therefore the validity of the invention should not be limited by any statement of the examiner regarding reasons for allowance.

B. Support for Recent Claim Amendments

7. On September 15, 2006, I left a voice message for the examiner providing examples of support for recent claim amendments. Regarding claim 23 element b, support can be found for example on page 3 lines 17-20; page 6, lines 16-21; page 7, lines 18-26; and page 9 line 21 through page 10, line 5.

Application: 09/312,922
Filed: May 17, 1999
In Response to Office Action of: September 21, 2006
Response Dated: November 21, 2006

C. Submission of Replacement Sheets having Formal Drawings

8. Attached to this submission are thirteen (13) of formal drawings.

9. Hand drawn annotations and drawings have been replaced with computer drawings. Figures 5A through 5C have been consolidated into one sheet. Informalities with numbering have been corrected in Fig 2. Extraneous lines of source code have been removed from the tops of Fig 3A and Fig 7. These are to correct clerical errors and to improve the quality of the drawings for publication. No new matter has been added.

D. First Named Inventor

10. In the January 17, 2003 amendment, the inventor list was corrected to match the order in the provisional patent application (06/085,818, filed May 18, 1998). The corrected order is:

1. **Kendyl A. Román**
2. R. Paul Raposo
3. Richard Scott Neale
4. Cyrus Java Hoomani
5. Vince Michael Figuredo, Dr.
6. Thomas Joseph Broadbent

According, please ensure that the “first named inventor” is correctly published as “Kendyl A. Román,” as indicated on accompanying Issue Fee forms (PTOL-85 page 2). “Kendyl A. Román” is also the assignee.

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Respectfully submitted,

A handwritten signature in black ink, appearing to read "Kendyl A. Román", written over a horizontal line.

Date: November 21, 2006

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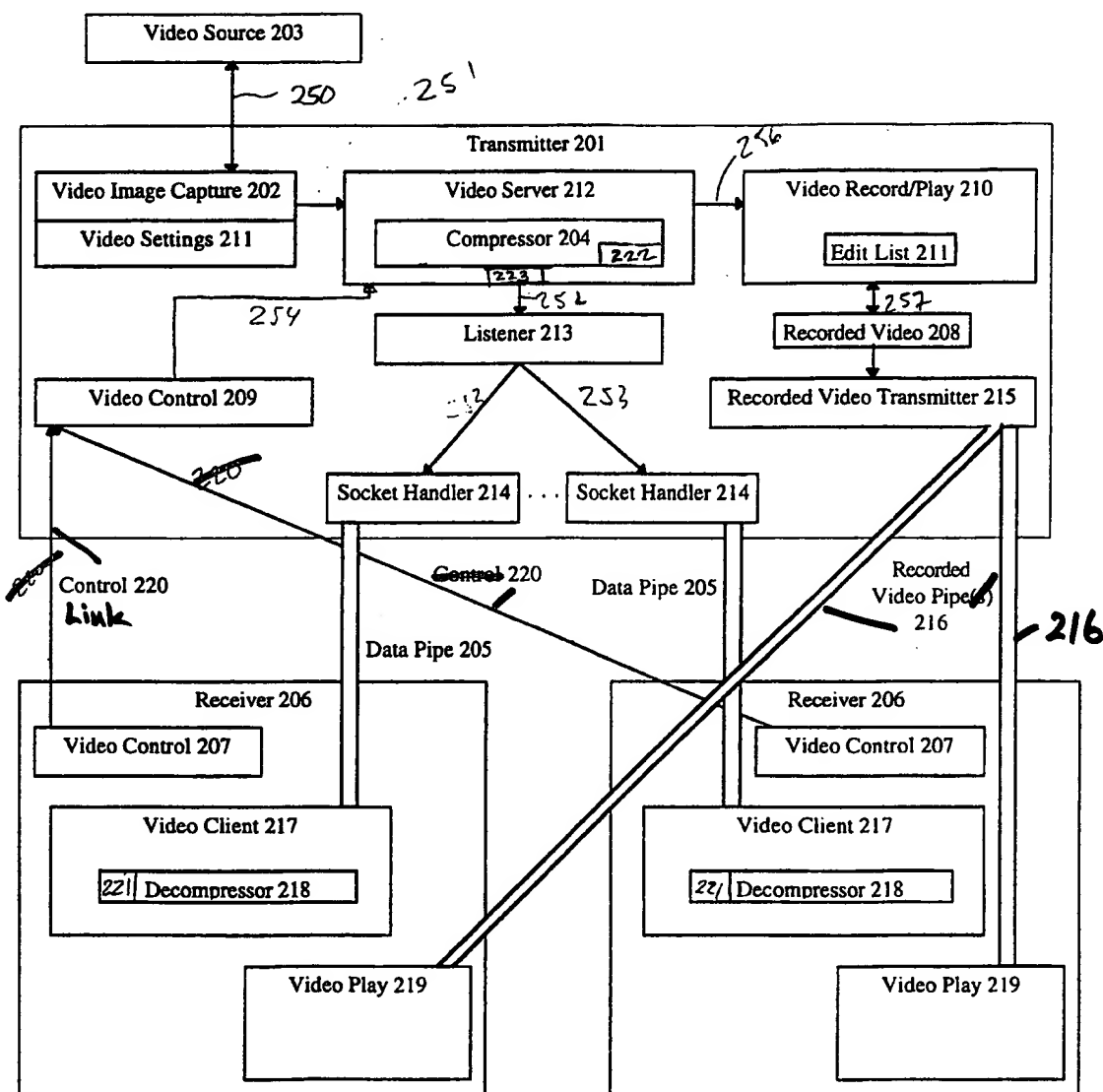


Figure 2

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```

#include "EchoCodec.h"
#ifdef _WINDOWS
#include <native.h>
#endif
#include <stdio.h>

```

```

unsigned char encodePalette() =
{

```

310 Palette

```

    0, 0, 0, 0, 0, 1, 1, 1,
    1, 1, 1, 1, 1, 2, 2, 2,
    2, 2, 2, 2, 2, 3, 3, 3,
    3, 3, 3, 3, 3, 4, 4, 4,
    4, 4, 4, 4, 4, 5, 5, 5,
    5, 5, 5, 5, 5, 6, 6, 6,
    6, 6, 6, 6, 6, 7, 7, 7,
    7, 7, 7, 7, 7, 8, 8, 8,
    8, 8, 8, 8, 8, 9, 9, 9,
    9, 9, 9, 9, 9, 10, 10, 10,
    10, 10, 10, 10, 10, 11, 11, 11,
    11, 11, 11, 11, 11, 12, 12, 12,
    12, 12, 12, 12, 12, 13, 13, 13,
    13, 13, 13, 13, 13, 14, 14, 14,
    14, 14, 14, 14, 14, 15, 15, 15,
    15, 15, 15, 15, 15, 16, 16, 16,
    16, 16, 16, 16, 16, 17, 17, 17,
    17, 17, 17, 17, 17, 18, 18, 18,
    18, 18, 18, 18, 18, 19, 19, 19,
    19, 19, 19, 19, 19, 20, 20, 20,
    20, 20, 20, 20, 20, 21, 21, 21,
    21, 21, 21, 21, 21, 22, 22, 22,
    22, 22, 22, 22, 22, 23, 23, 23,
    23, 23, 23, 23, 23, 24, 24, 24,
    24, 24, 24, 24, 24, 25, 25, 25,
    25, 25, 25, 25, 25, 26, 26, 26,
    26, 26, 26, 26, 26, 27, 27, 27,
    27, 27, 27, 27, 27, 28, 28, 28,
    28, 28, 28, 28, 28, 29, 29, 29,
    29, 29, 29, 29, 29, 30, 30, 30,
    30, 30, 30, 30, 30, 31, 31, 31,
    31, 31, 31, 31, 31

```

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```

// 0 - 4 -> 0
// 5 - 12 -> 8
// 13 - 20 -> 16
// 21 - 29 -> 24
// 30 - 37 -> 33
// 38 - 45 -> 41
// 46 - 53 -> 49
// 54 - 62 -> 57
// 63 - 70 -> 66
// 71 - 78 -> 74
// 79 - 86 -> 82
// 87 - 95 -> 90
// 96 - 103 -> 99
// 104 - 111 -> 107
// 112 - 119 -> 115
// 120 - 128 -> 123
// 129 - 136 -> 132
// 137 - 144 -> 140
// 145 - 152 -> 148
// 153 - 161 -> 156
// 162 - 169 -> 165
// 170 - 177 -> 173
// 178 - 185 -> 181
// 186 - 194 -> 189
// 195 - 202 -> 198
// 203 - 210 -> 206
// 211 - 218 -> 214
// 219 - 227 -> 222
// 228 - 235 -> 231
// 236 - 243 -> 239
// 244 - 251 -> 247
// 252 - 255 -> 255

```

```

};

```

Figure 3A

~~decodePalette~~
~~int decodePalette()~~
Palette $71R$ 720 730
~~int decodePalette()~~ Z
 (

0xff << 24	0 << 16	0 << 8	0
0xff << 24	8 << 16	8 << 8	8,
0xff << 24	16 << 16	16 << 8	16,
0xff << 24	24 << 16	24 << 8	24,
0xff << 24	33 << 16	33 << 8	33,
0xff << 24	41 << 16	41 << 8	41,
0xff << 24	49 << 16	49 << 8	49,
0xff << 24	57 << 16	57 << 8	57,
0xff << 24	66 << 16	66 << 8	66,
0xff << 24	74 << 16	74 << 8	74,
0xff << 24	82 << 16	82 << 8	82,
0xff << 24	90 << 16	90 << 8	90,
0xff << 24	99 << 16	99 << 8	99,
0xff << 24	107 << 16	107 << 8	107,
0xff << 24	115 << 16	115 << 8	115,
0xff << 24	123 << 16	123 << 8	123,
0xff << 24	132 << 16	132 << 8	132,
0xff << 24	140 << 16	140 << 8	140,
0xff << 24	148 << 16	148 << 8	148,
0xff << 24	156 << 16	156 << 8	156,
0xff << 24	165 << 16	165 << 8	165,
0xff << 24	173 << 16	173 << 8	173,
0xff << 24	181 << 16	181 << 8	181,
0xff << 24	189 << 16	189 << 8	189,
0xff << 24	198 << 16	198 << 8	198,
0xff << 24	206 << 16	206 << 8	206,
0xff << 24	214 << 16	214 << 8	214,
0xff << 24	222 << 16	222 << 8	222,
0xff << 24	231 << 16	231 << 8	231,
0xff << 24	239 << 16	239 << 8	239,
0xff << 24	247 << 16	247 << 8	247,
0xff << 24	255 << 16	255 << 8	255

};

A 700

Figure 7